

# Notice of Allowability

Application No.

09/900,280

Examiner

JEAN B. FLEURANTIN

Applicant(s)

LUO ET AL.

Art Unit

2162

## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 01/09/06.
2. ☒ The allowed claim(s) is/are 4,7,8,16-19,33 and 43-50.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.


Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

### Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
**SHAHID ALAM**  
**PRIMARY EXAMINER**

#### **DETAILED ACTION**

1. This is in response to Applicant's arguments 01/09/06, with respect to claims 4, 7, 8, 16-19, 33, 41-50 have been fully considered and are persuasive. Therefore, the rejection of last Office action has been withdrawn.

However, claims 41 and 42 have been canceled as indicated in section 3.

Claims 1-3, 5, 6, 9-15, 18-32 and 34-40 previously canceled.

2. Claims 4, 7, 8, 16-19, 33 and 43-50 remain pending for examination.

#### **EXAMINER'S AMENDMENT**

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Dan C. Hu (Reg. No. 40,025) on April 20, 2006.

The application has been amended as follow:

In the claims,

Please cancel

Claims 41 and 42.

Claim 16, line 2, change "instructions for enabling a processor-based system having plural nodes to:" to -- instructions for execution by a processor-based system having plural nodes to: --.

Claim 17, line 2, change "for enabling the processor-based system to:" to - - for execution by the processor-based system to: - -.

Claim 18, line 2, change "for enabling the processor-based system to:" to - - for execution by the processor-based system to: - -.

Claim 19, line 2, change "for enabling the processor-based system to:" to - - for execution by the processor-based system to: - -.

#### **REASONS FOR ALLOWANCE**

4. With respect to claims 4, 7, 8, 16-19, 33 and 43-50 are allowed over the prior art of record.

The following is an examiner's statement of reasons for allowance:

With respect to claim 4, the claimed features "a method comprising receiving a first tuple into a base relation at a first node of a parallel database system having plural nodes, wherein the first tuple comprises a join attribute and the base relation is partitioned across the nodes according to an attribute different the join attribute; and storing the join results in a join view" in conjunction with other elements of the independent claims would not found anticipated or obvious over the prior art made of record. With respect to claim 16, the claimed features "an article comprising receive a first tuple into a base relation at a first, wherein the first tuple comprises the first attribute and the first base relation is partitioned across the plural nodes according to an attribute other than the first attribute; and join the first tuple with the second tuples to produce join results for updating the join view" in conjunction with other elements of the independent claims would not found anticipated or obvious over the prior art made of record.

The dependent claims, being definite, further limiting, and fully enabled by the specification are also allowed.

The closest prior art, Mumick et al., U.S. Patent Number 6,484,159 relates to a method and system for incremental database maintenance, and in particular to updating materialized views in a database. Dallan Quass et al., Making View Self-Maintainable for Data Warehousing but fail to teach the above limitations.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### CONTACT INFORMATION

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to JEAN B. FLEURANTIN whose telephone number is 571 – 272-4035. The examiner can normally be reached on 7:05 to 4:35.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, JOHN E BREENE can be reached on 571 – 272-4107. The fax phone number for the organization where this application or proceeding is assigned is 703-308-6606.


Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Jean Bolte Fleurantin

Patent Examiner

Technology Center 2100

April 21, 2006

  
SHAHID ALAM  
PRIMARY EXAMINER